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DESCRIPTION

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**GUTTER CLEANING SHUTTER**

A gutter cleaning shutter will provide a quick and relatively easy method of cleaning roof gutters of dirt and rubbish which accumulates in the bottom of roof gutters

In most instances, cleaning roof gutters is a difficult and onerous task. There is usually insufficient space between the outer edge of the gutter and the edge of the overhanging roofing material to allow easy access for cleaning

In spite of best intentions, such as fitting rubbish barriers to gutters, dirt and rubbish still manage to accumulate in the bottom of the gutters. This accumulation can cause serious problems such as gutter overflow and damage to eaves, as well as gutter corrosion and blockages in the roof drainage system

To understand this invention, reference will now be made to the accompanying drawings and their use.

The invention is a frame made from a durable material (1) fitted with an internal sliding plate (2). The frame is fitted to the ends of gutters (3) in place of the normally fitted gutter stopends

The guttering (3) fits inside the frame (1) and is attached by pop rivets, gutter sealant or other suitable fixing methods. (4)

The sliding plate (2) when fully inserted, closes off the end of the gutter to provide normal gutter operation. When gutter cleaning is required, the sliding plate (2) is removed and down pipe sealing plates (5) placed over the tops of the down pipes inside the gutter. This prevents the rubbish being removed from entering the rest of the stormwater system

It would then only be necessary to direct a strong jet of water from a garden hose along the gutter, propelling the accumulated rubbish towards and out of the open end of the gutter through the open shutter frame. (1). A net could be used at the shutter end to catch the rubbish

When cleaning is complete, the down pipe sealing plates (5) are removed and the sliding plate (2) replaced in the shutter frame (1) to restore gutter integrity. Some slight water leakage will occur around the sliding plate during periods of heavy rain but the amount of leakage would be minimal and of little consequence.

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The invention is not restricted to the gutter profile shown in the drawings but could be manufactured to fit all gutter profiles. The fixed frame could be manufactured to allow left or right horizontal opening (1) as well as a frame allowing vertical operation.

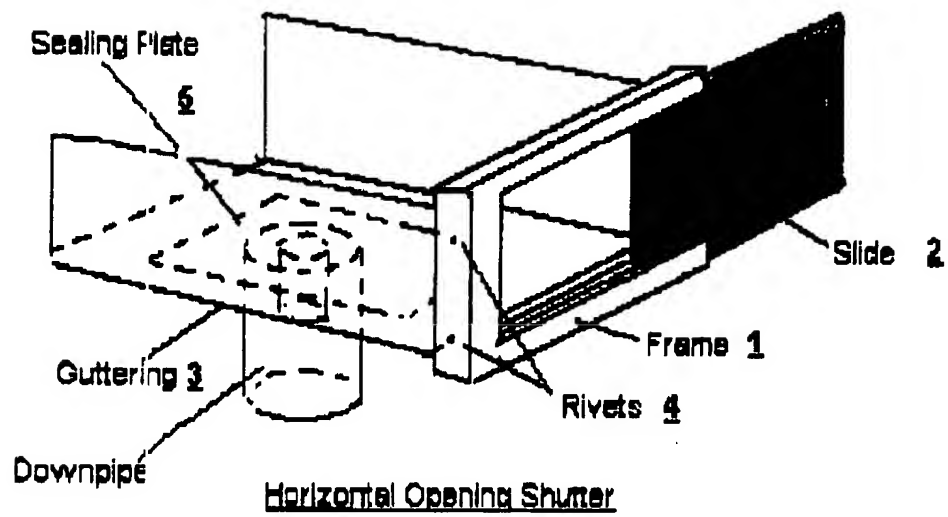
**The claims defining the invention are as follows :**

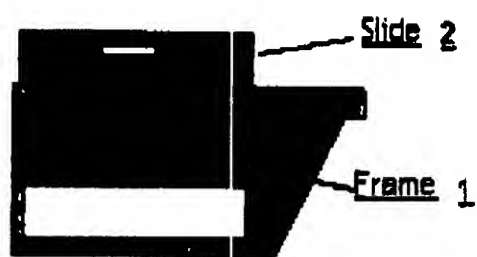
1. A gutter cleaning shutter, consisting of a rigid frame (1) and an internal sliding plate (2) made from a durable material, fitted to ends of roof gutters (3) instead of gutter stop ends, will provide a quick and easy method to clean house gutters.
2. The gutter cleaning shutter with the sliding plate (2) opened, and with down pipe sealing plates (5) fitted to prevent rubbish entering the drainage system, will allow gutters to be cleaned of rubbish accumulation by directing a strong jet of water along the gutter to propel the accumulated rubbish towards and out of the now open end of the gutter through the shutter frame. (1)
3. The gutter cleaning shutter with the sliding plate (2) fully closed and with down pipe sealing plates removed, will provide normal gutter operation during periods of rain.

**ABSTRACT**

A gutter cleaning shutter , made from a durable material, is disclosed. It consists of a rigid frame (1) with an internal sliding plate(2) The shutters are fitted to the ends of roof gutters (3) instead of gutter stop ends.

The gutter cleaning shutter with sliding plate in place provides normal gutter operation..Opening the sliding plate provides an unobstructed outlet to enable gutters to be cleaned by propelling accumulated rubbish along the gutter and out through the open shutter frame.. A strong jet of water from a garden hose would be the recommended method of propelling the rubbish during cleaning. Sealing plates (5) are placed over the tops of downpipes to prevent rubbish falling into the drainage system.When cleaning is completed ,the sealing plates(5) are removed , and the sliding plate(2) in the cleaning shutter frame(1) closed ,restoring the normal operation of the roof drainage system.

**FIGURE 1**



END ELEVATION



Downpipe Sealing Plate 5



PLAN

Vertical opening shutter

FIGURE 2